

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (original) A container that supplies a source of fuel to a direct methanol fuel cell, the container comprising:

a housing, the housing having at least a portion of a wall of the housing being comprised of a thermally conductive material;

a fuel egress port supported by the housing; and

a surface area enhanced planar vaporization membrane residing in the container.

2. (original) The container of claim 1 wherein the surface area enhanced planar vaporization membrane is a polymer membrane.

3. (original) The container of claim 1 wherein the at least a portion of a wall of the housing being comprised of a thermally conductive material is comprised of a metal.

4. (original) The container of claim 1 wherein remaining portions of walls of the container are thermally insulating.

5. (original) The container of claim 1 wherein the at least a portion of a wall of the housing being comprised of a thermally conductive material is a portion of the housing of the container disposed adjacent the fuel egress port of the container.

6. (original) The container of claim 1 wherein the container is a fuel cartridge.

7. (Previously Presented) The container of claim 6 wherein the cartridge contains the source of fuel.

8. (Previously Presented) The container of claim 1 wherein the source of fuel is methanol.

9. (Previously Presented) The container of claim 1 wherein container is a fuel reservoir.

10. (Previously Presented) The container of claim 1 wherein at least a portion of a wall of the housing being comprised of a thermally conductive material sinks heat to enhances a delivery rate of methanol in a vapor phase across the membrane to deliver the vapor at the egress port of the container.

11. (Currently Amended) A fuel cartridge that supplies a source of fuel to a direct methanol fuel cell, the fuel cartridge comprising:

a housing, the housing containing and in direct contact with a liquid source of an oxidizable fuel and having at least a portion of a wall of the housing being comprised of a thermally conductive material; and

a fuel egress port supported by the housing with the at least a portion of a wall of the housing sinking heat generated from external components to enhance a delivery rate of methanol in a vapor phase to the egress port of the container.

12. (original) The fuel cartridge of claim 11 wherein the liquid is methanol.

13. (original) The fuel cartridge of claim 11 wherein remaining portions of walls of the cartridge are thermally insulating.

14. (original) The fuel cartridge of claim 11 wherein the at least a portion of a wall of the housing being comprised of a thermally conductive material is a portion of the housing of the container disposed adjacent the fuel egress port of the cartridge.

15. (original) The fuel cartridge of claim 11 wherein the at least a portion of a wall of the housing being comprised of a thermally conductive material is comprised of a metal.

16. (original) A method comprises:
disposing a fuel cartridge into a compartment of an electronic device such that a portion of a wall of a housing of the fuel cartridge that is comprised of a thermally conductive material is placed in thermal communication with a heat generating component in the electronic device to enable a vapor phase of the fuel in the housing to egress from the cartridge.

17. (original) The method of claim 16 wherein fuel cartridge contains a source of an oxidizable fuel.

18. (Previously Presented) The method of claim 17 wherein the oxidizable fuel is methanol.

19. (Previously Presented) The method of claim 16 wherein disposing a fuel cartridge permits heat that is generated by the component in the electronic device to increase a vapor pressure of the fuel in the housing to cause the fuel to egress from the cartridge, as a vapor.

20. (New) The container of claim 1 wherein the container is configured for a specific electronic device and the portion of the wall of the housing of the container is configured to be disposed adjacent a heating dissipating element of the electronic device.

21. (New) The container of claim 1 wherein the container delivers methanol to the fuel egress port.

22. (New) The container of claim 1 wherein the container is configured for a specific electronic device, the portion of the wall of the housing of the container is configured to be disposed adjacent a heating dissipating element of the electronic device, and the container delivers methanol to the fuel egress port.

23. (New) The container of claim 11 wherein the fuel cartridge is configured for a specific electronic device, and wherein the portion of the wall of the housing of the container is configured to be disposed adjacent a heating dissipating element of the electronic device.

24. (New) The container of claim 11 wherein the fuel cartridge delivers methanol to the fuel egress port.

25. (New) The container of claim 11 wherein the fuel cartridge is configured for a specific electronic device, the portion of the wall of the housing of the fuel cartridge is configured to be disposed adjacent a heating dissipating element of the electronic device, and the fuel cartridge delivers methanol to the fuel egress port.

26. (New) The container of claim 11 further comprising:
a surface area enhanced planar vaporization membrane residing in the container.